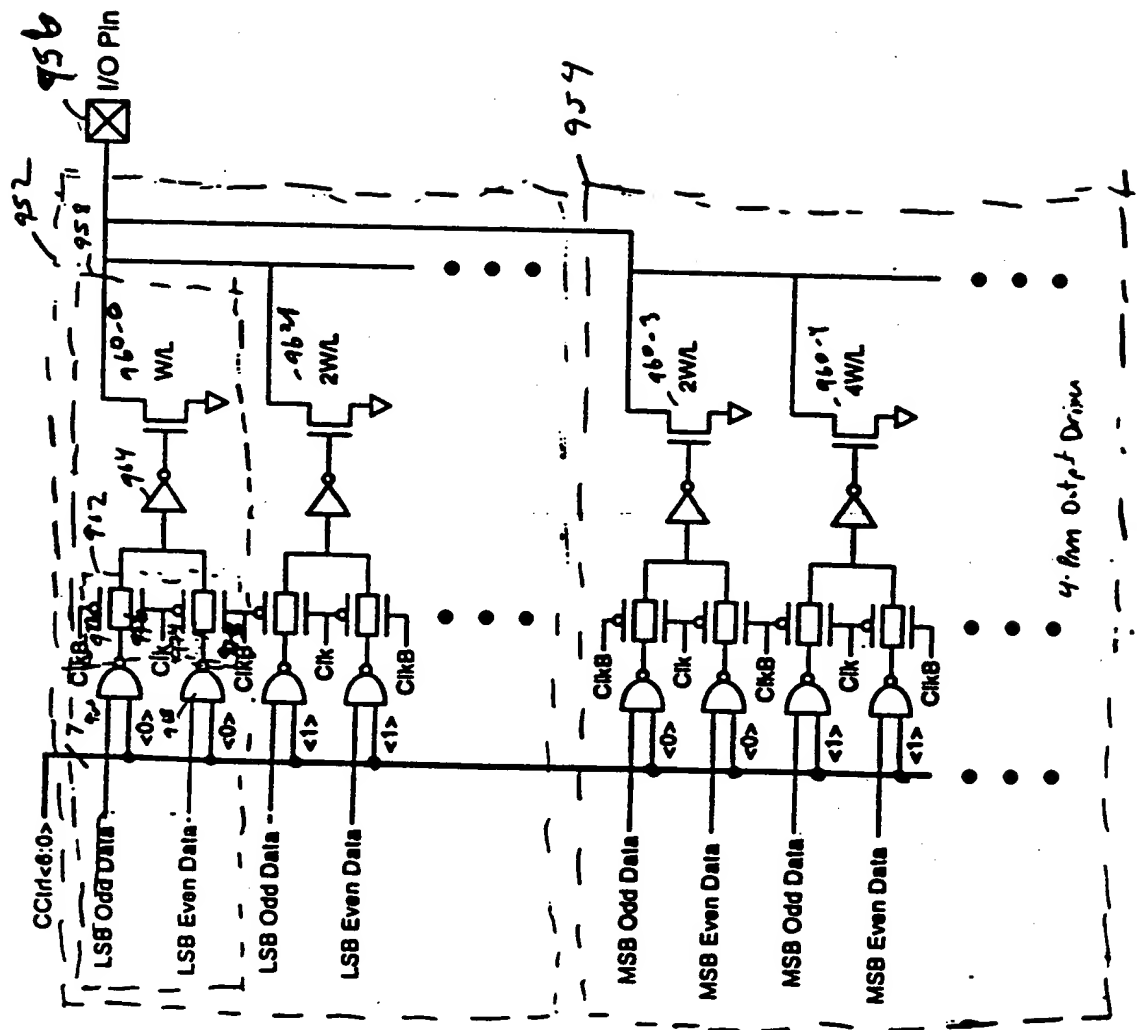


Fig. 2

esb ↗



416.

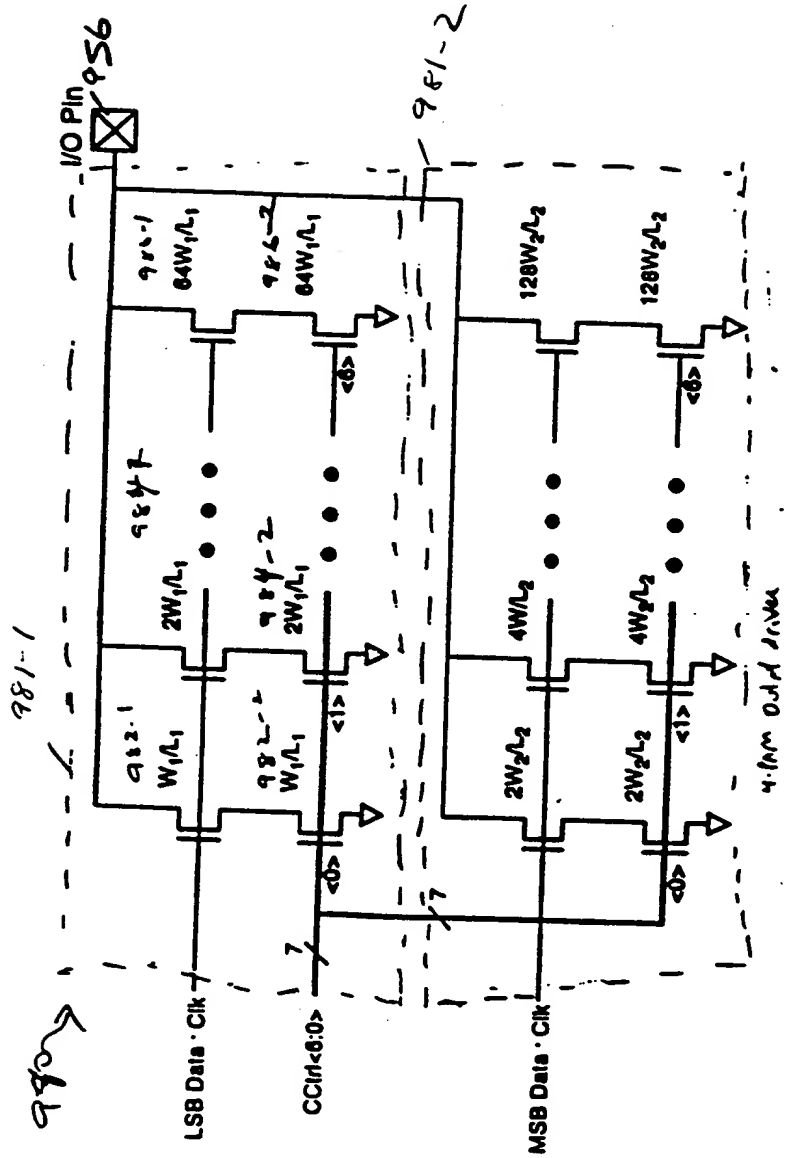


FIG 38

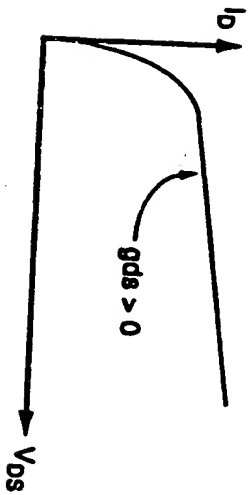


FIG. 4A

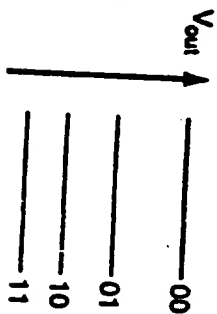


FIG. 4B

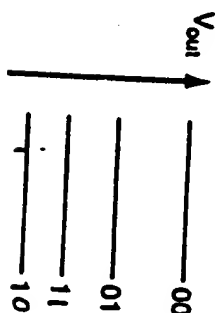
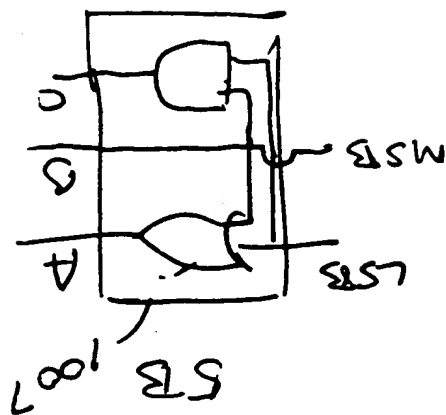
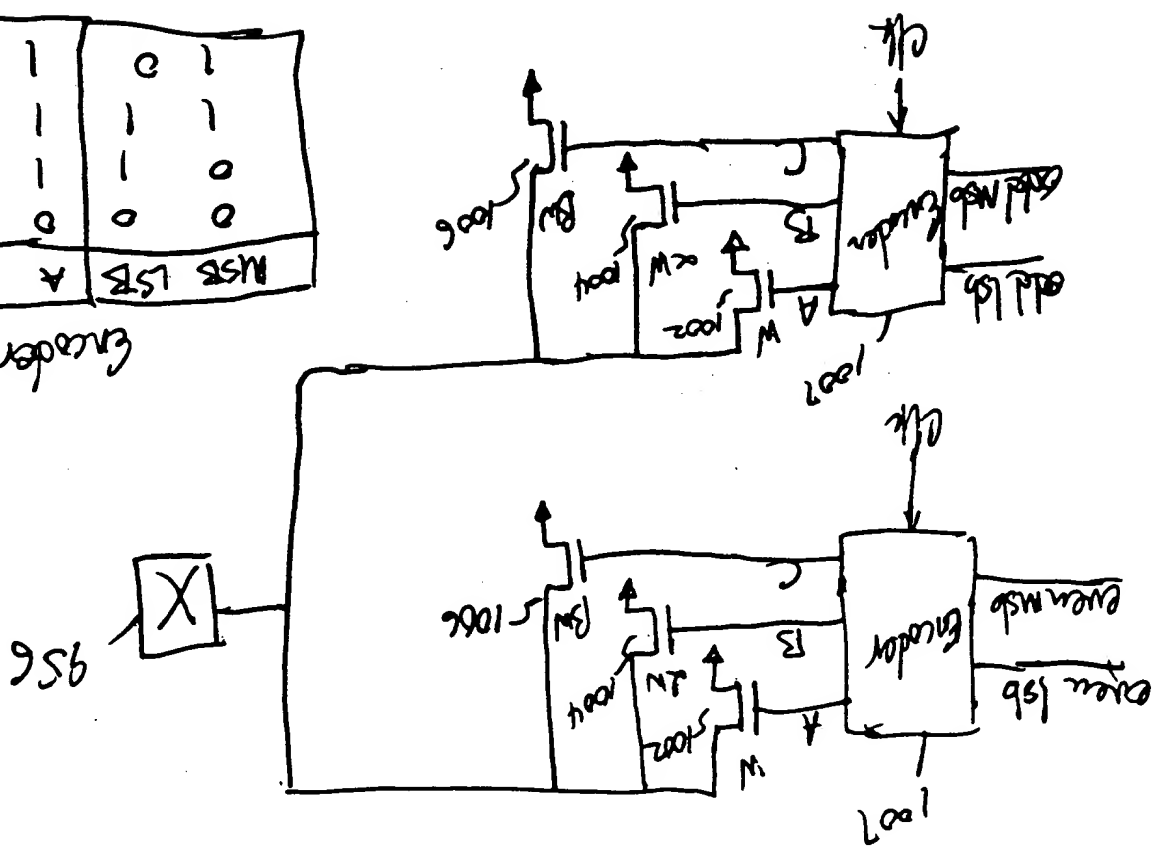


FIG. 4C

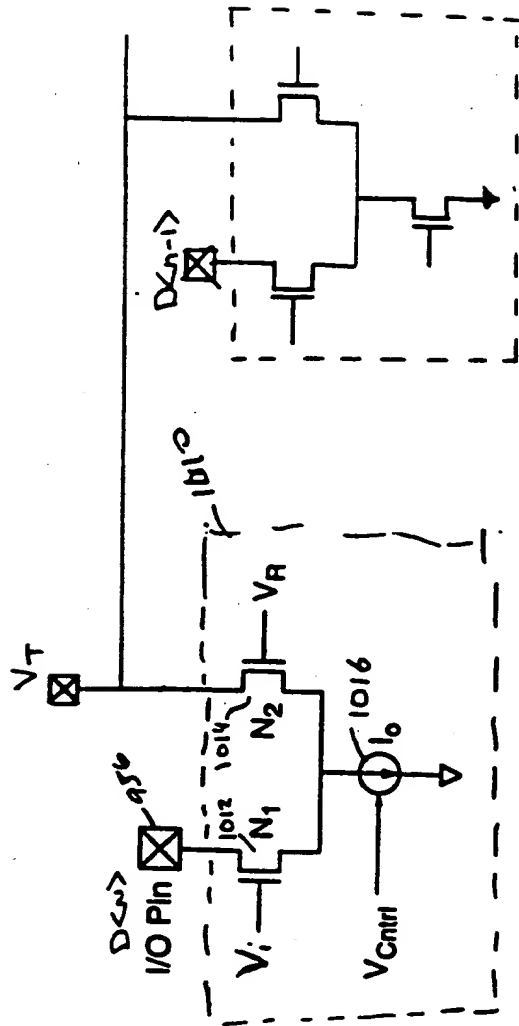


Erweiterung



175 5A

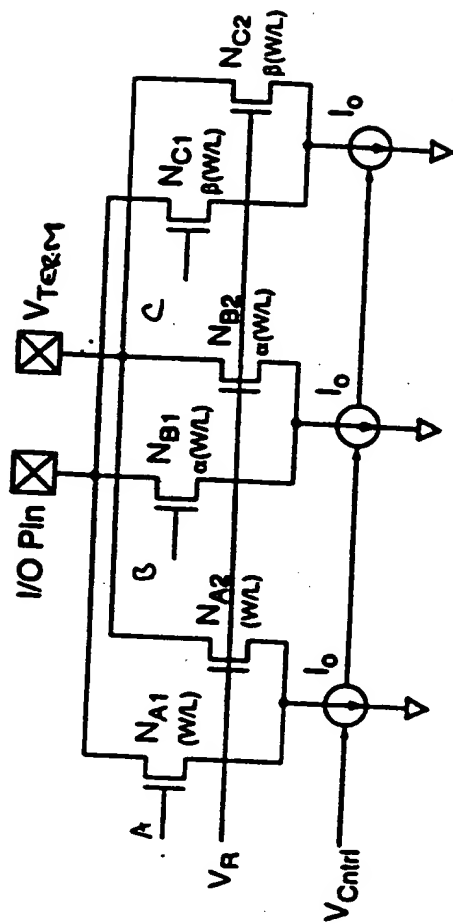
1001

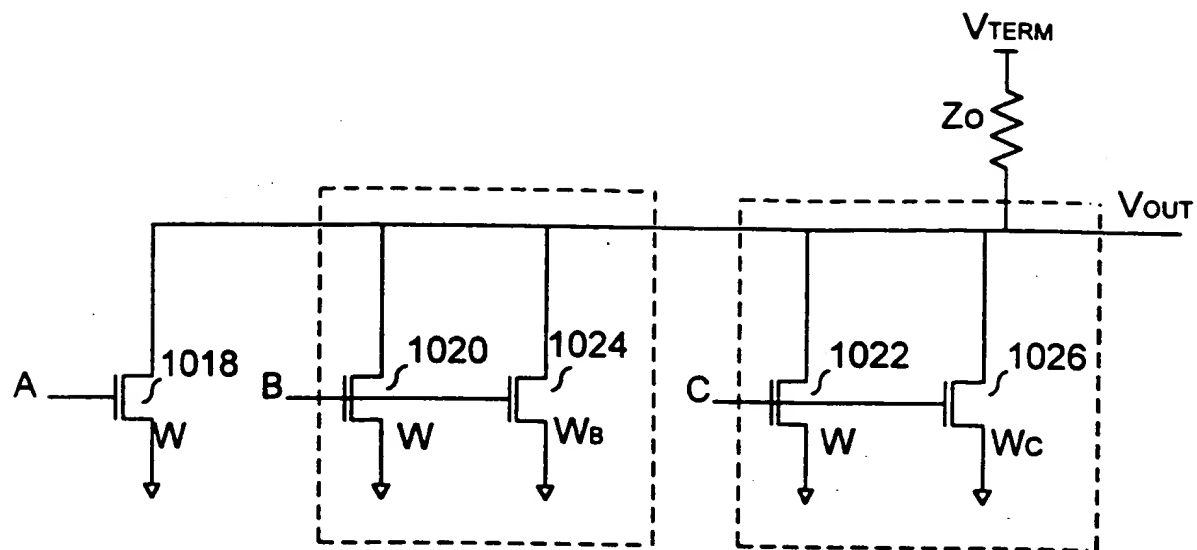


Circuit to Reduce Switching Noise

FIG

6



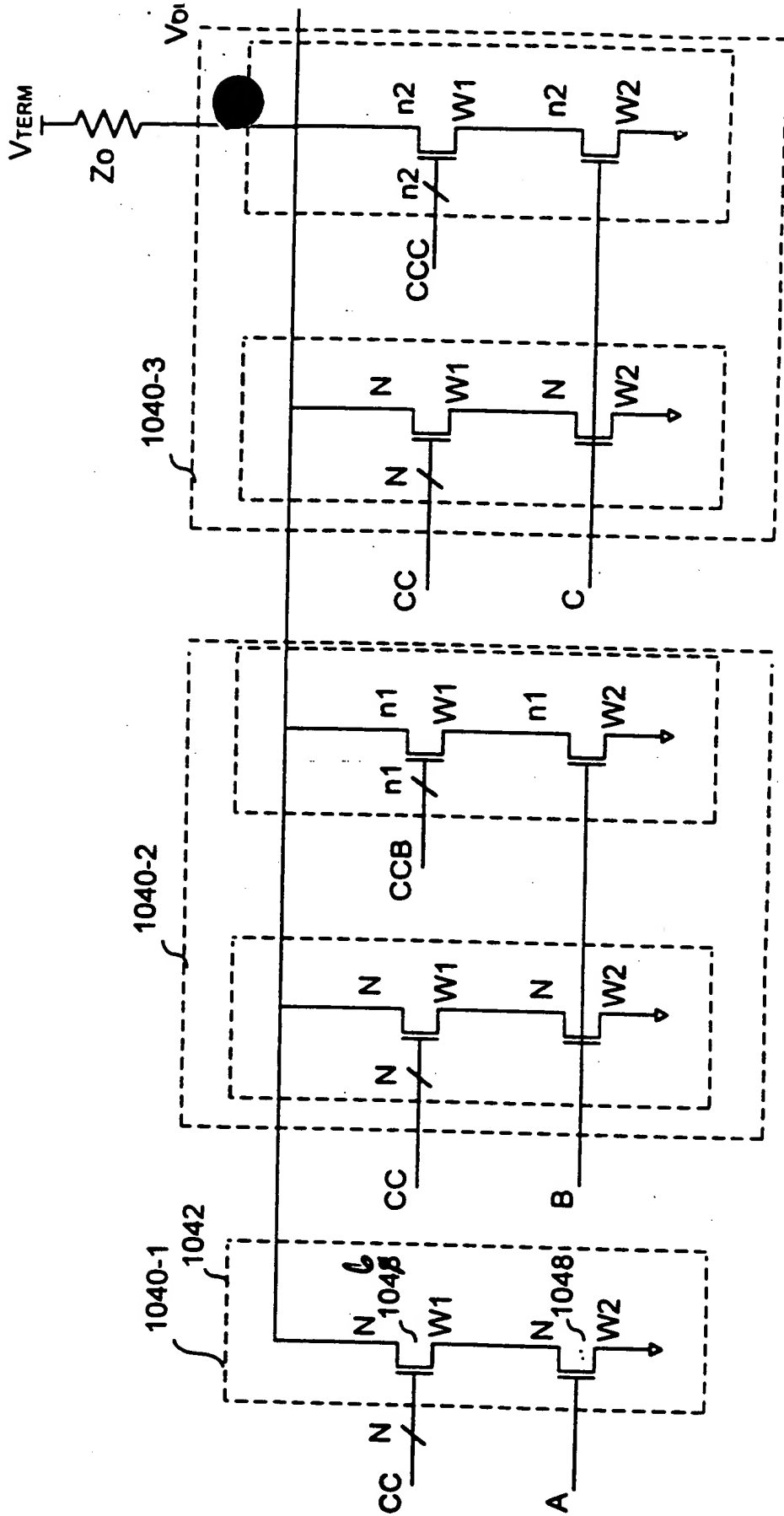


GDS Compensated Multi-PAM Output Driver

FIG.

8

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GDS Compensated Multi-PAM Output Driver with Current Control
FIG. 9A

1042 ↗

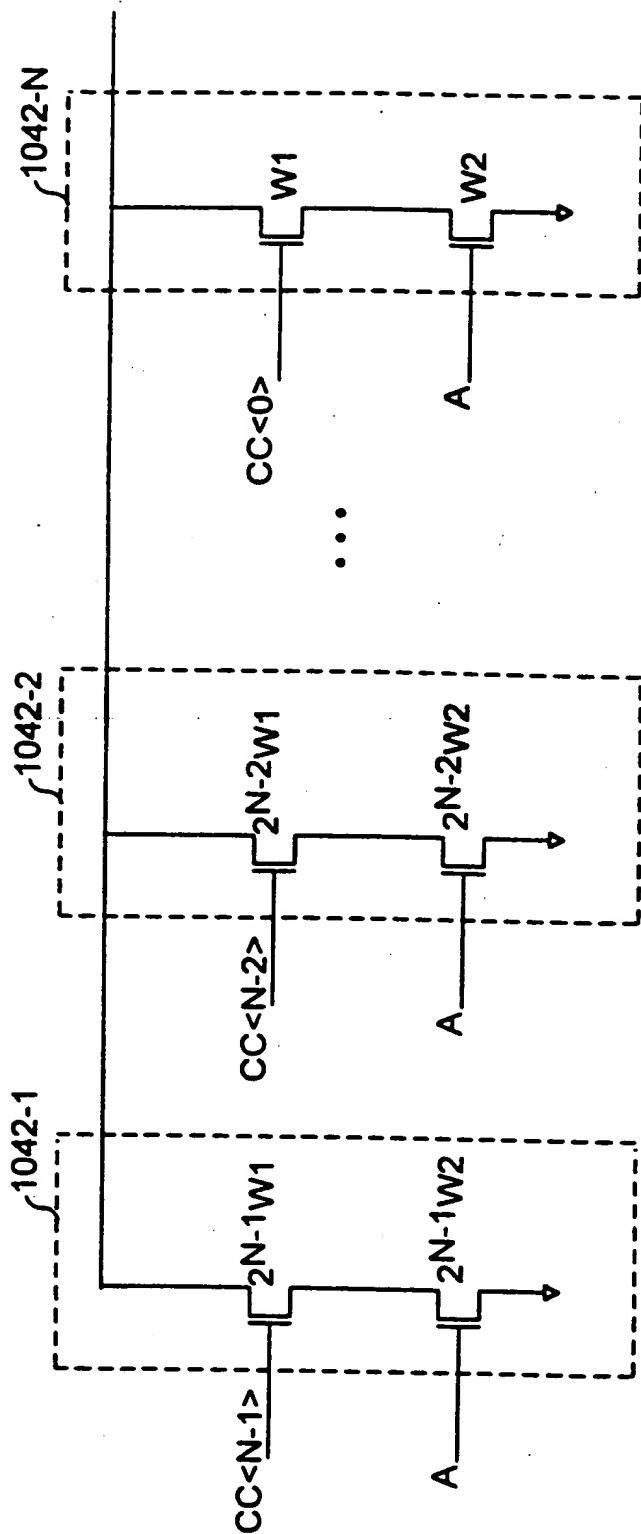
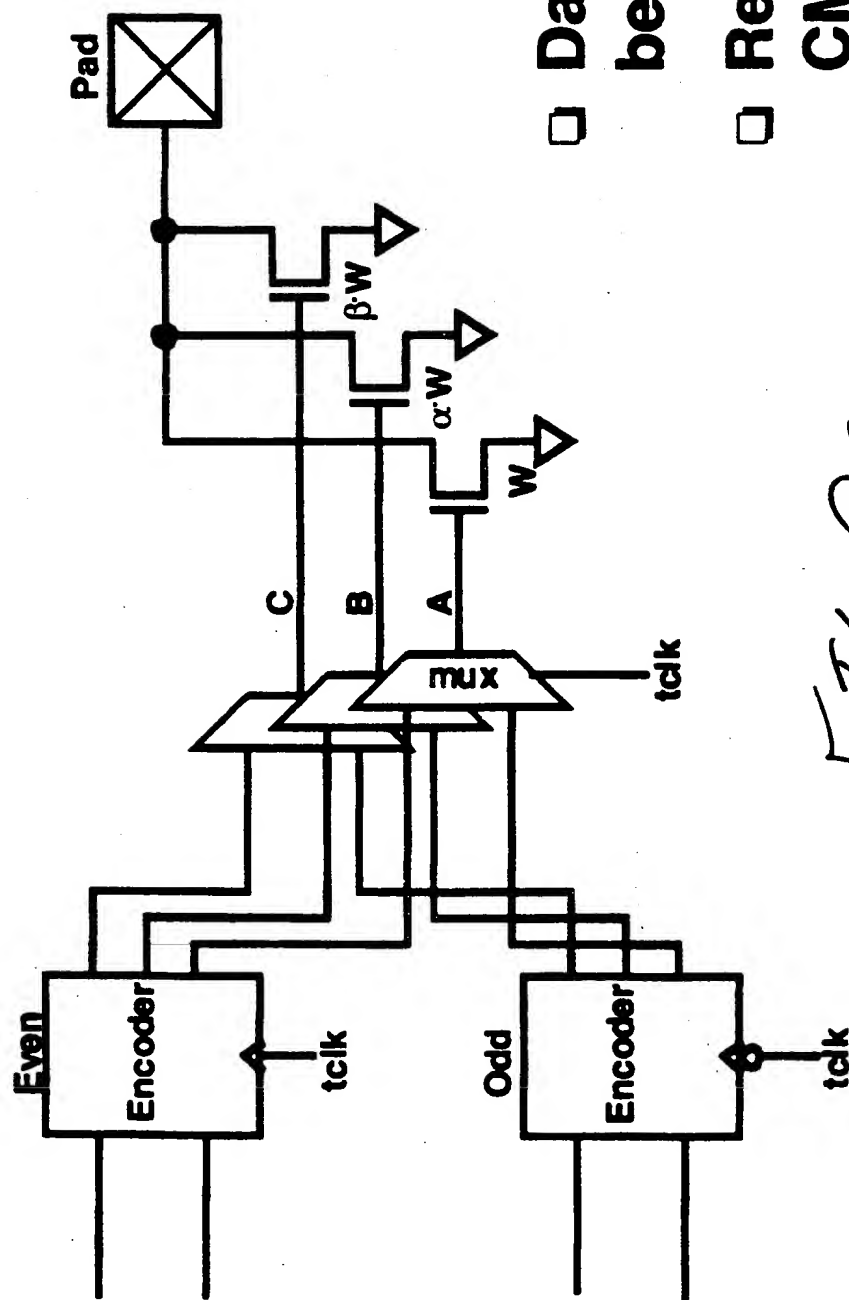


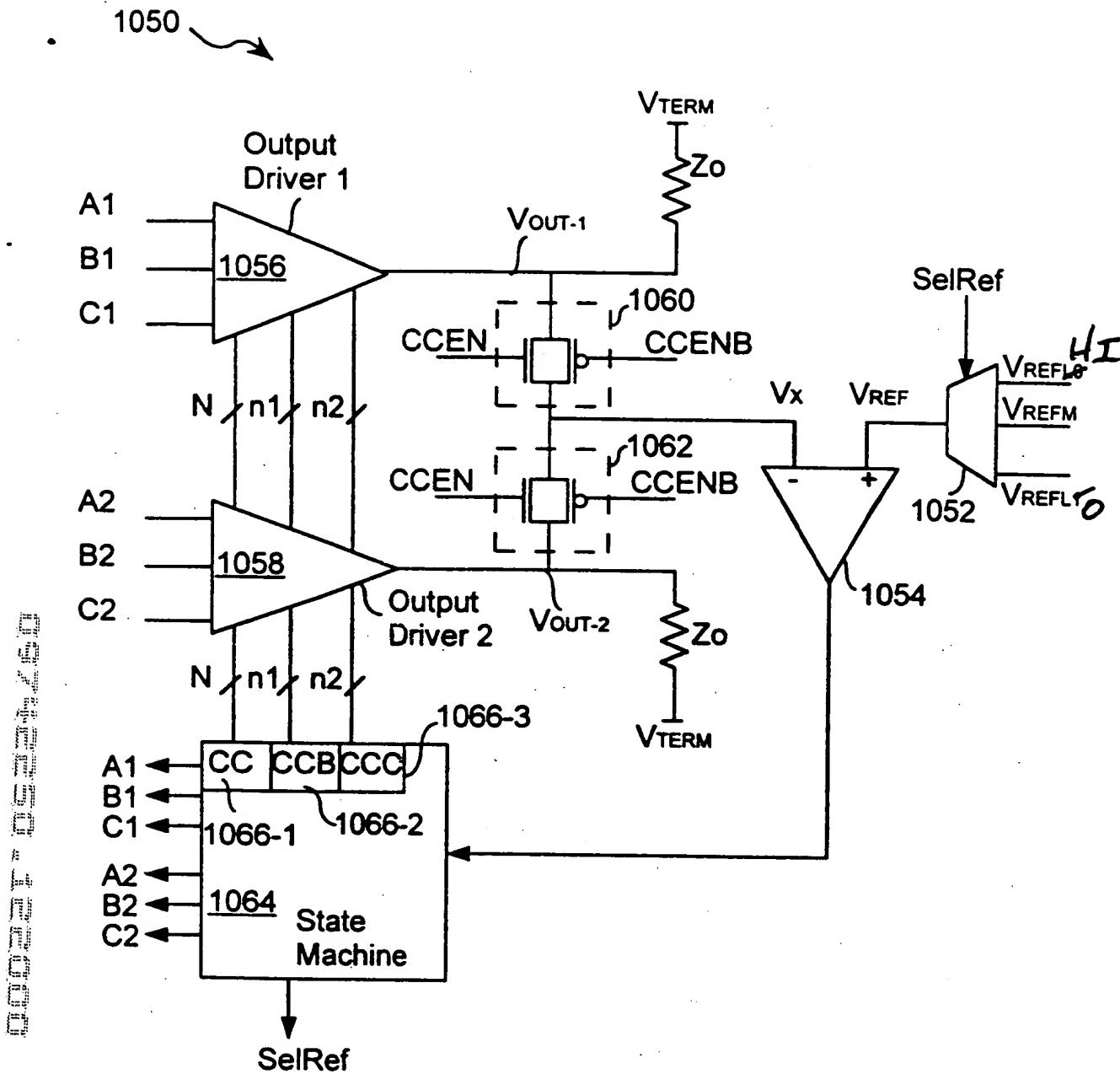
FIG. 9B

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG).



- ❑ **Data muxed before pad**
- ❑ **Requires running CMOS signals A,B,C @ full frequency**

FIG. 9C



Circuit for Calibrating the GDS Compensated Output Driver
with Current Control

FIG. 10

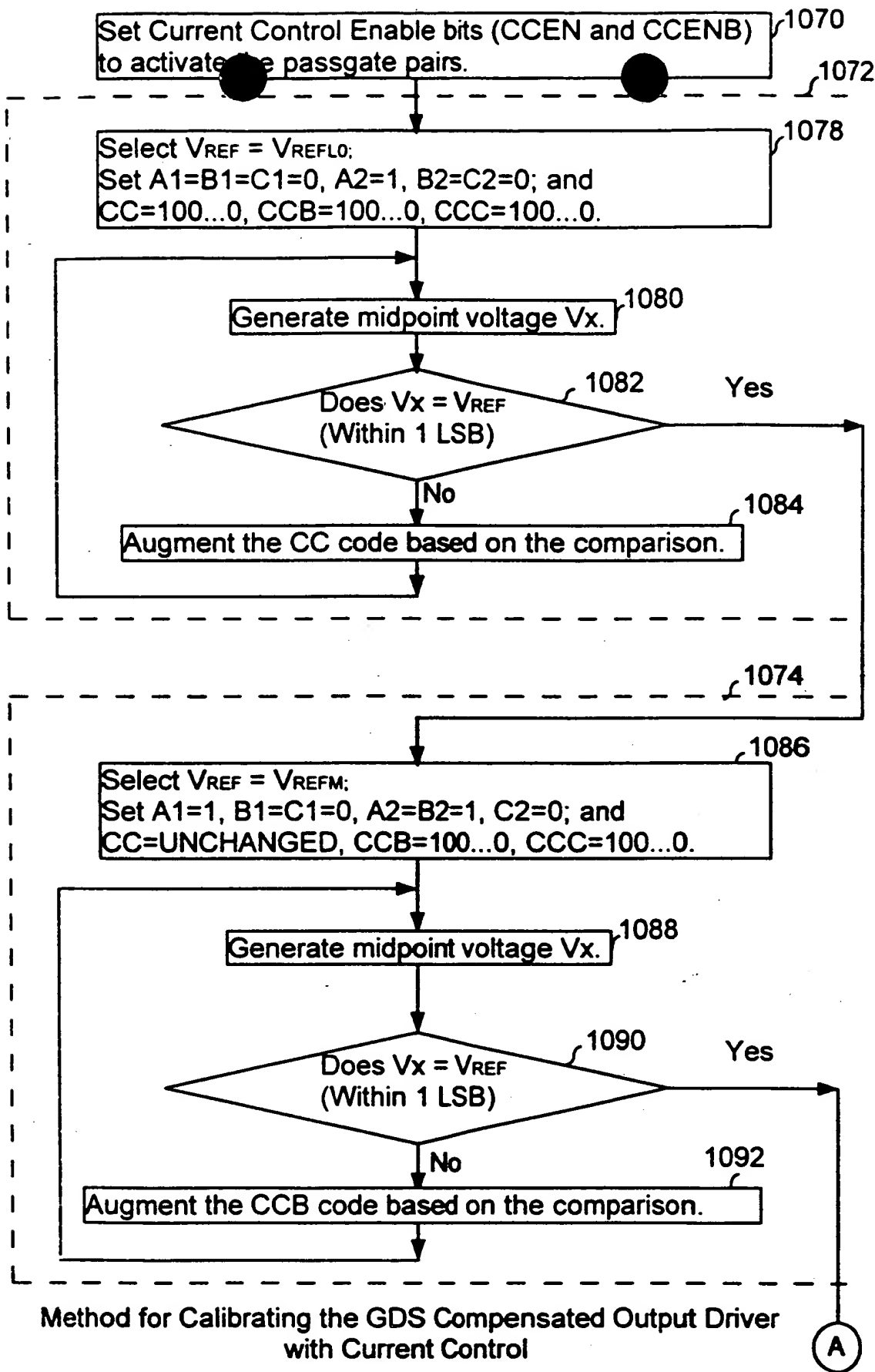
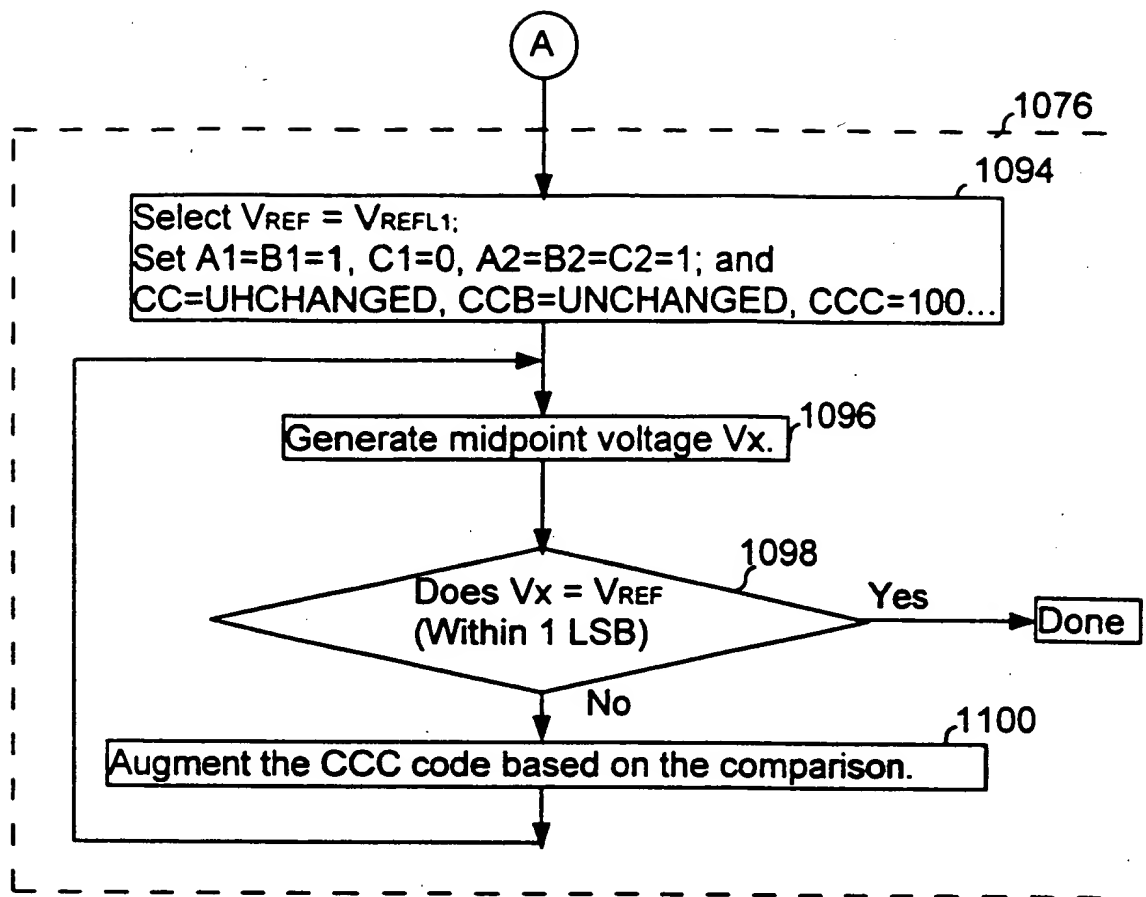


FIG. 11A



Method for Calibrating the GDS Compensated Output Driver
with Current Control

FIG. 118

FIG. 12

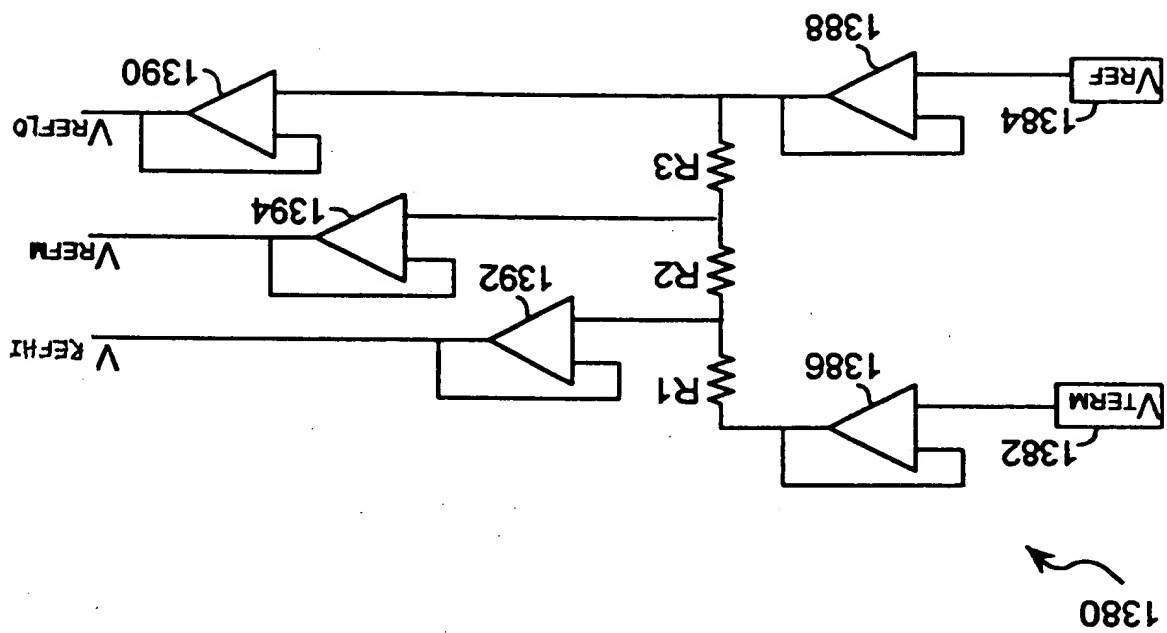
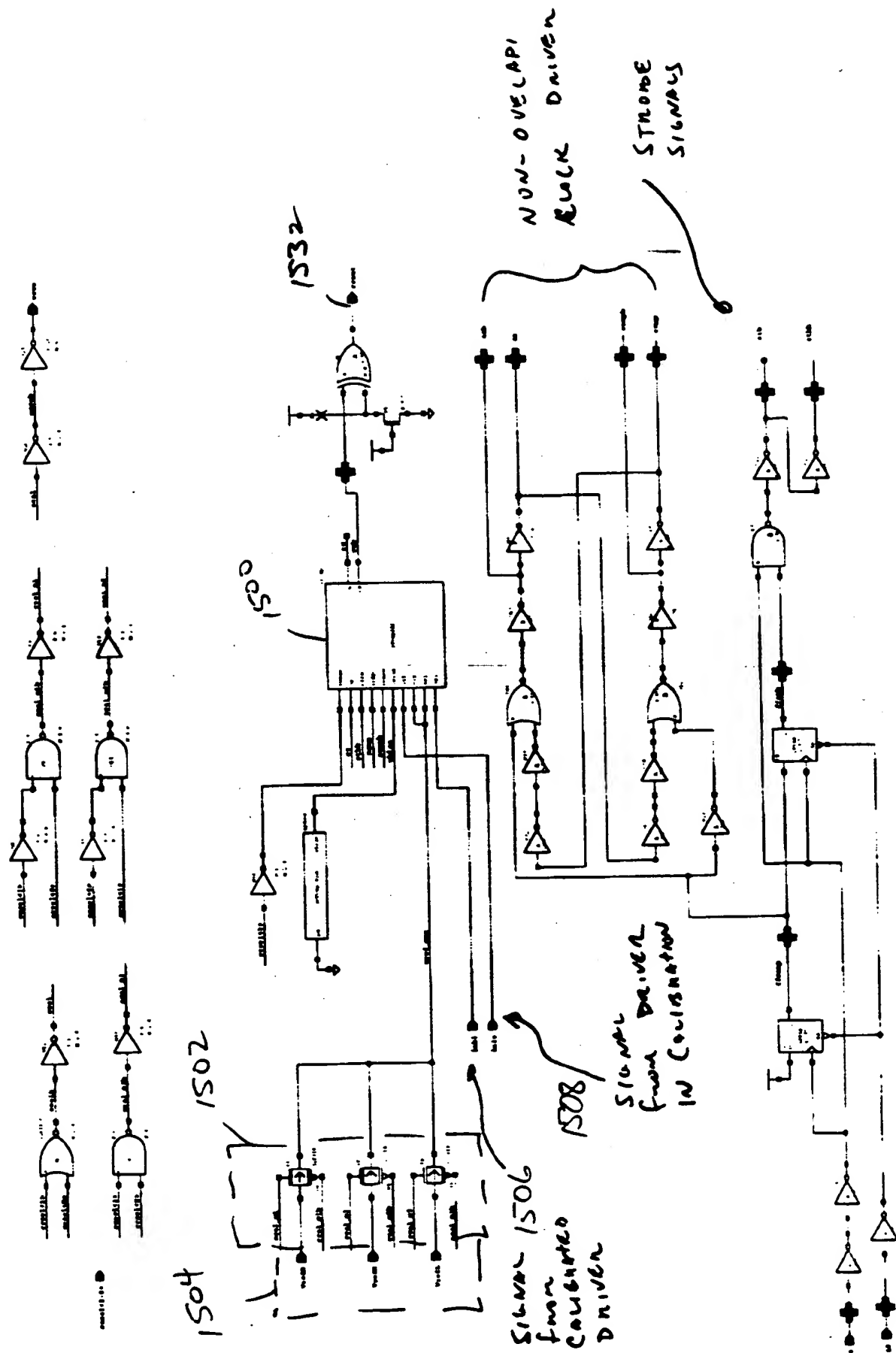


FIG 13A

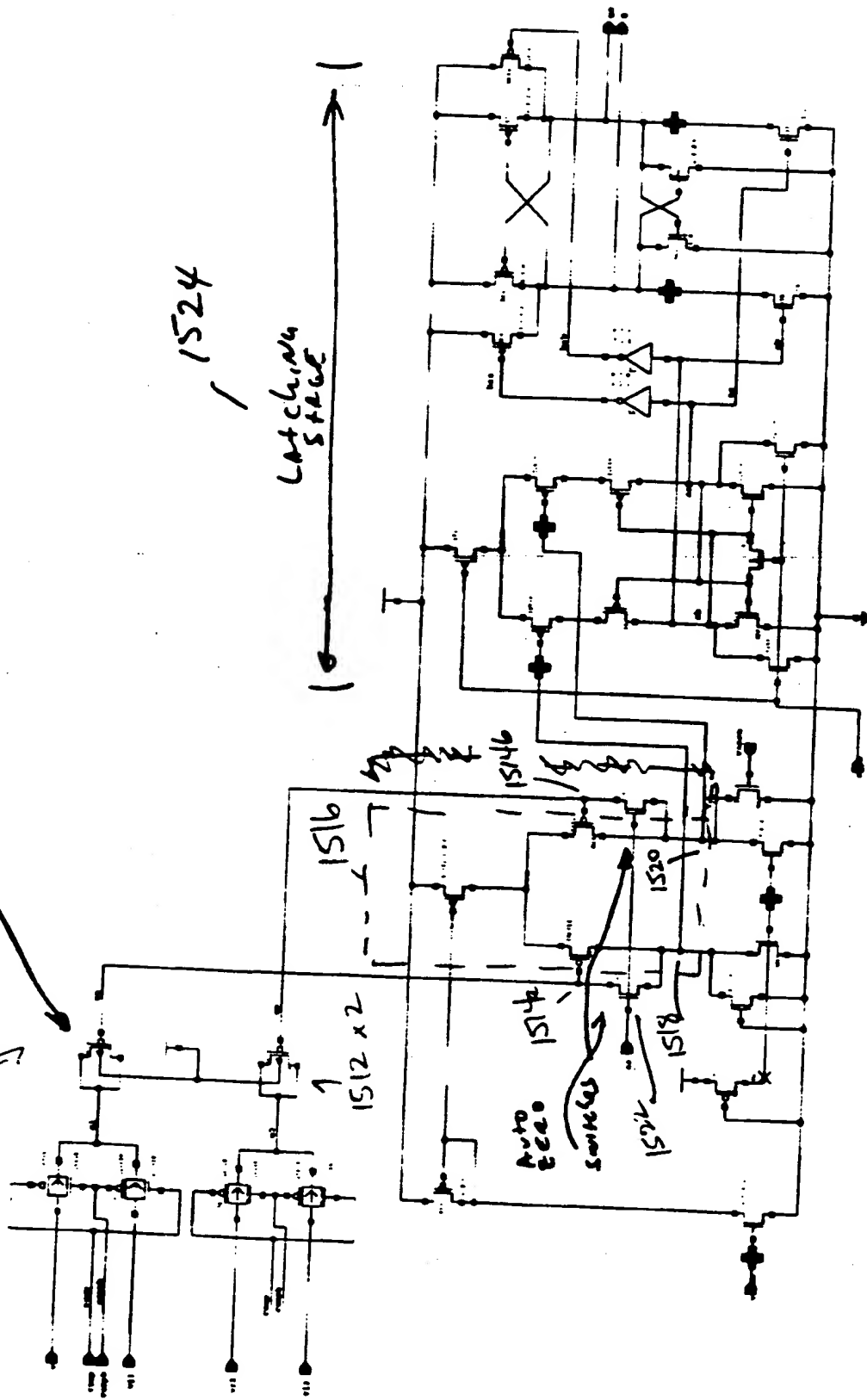


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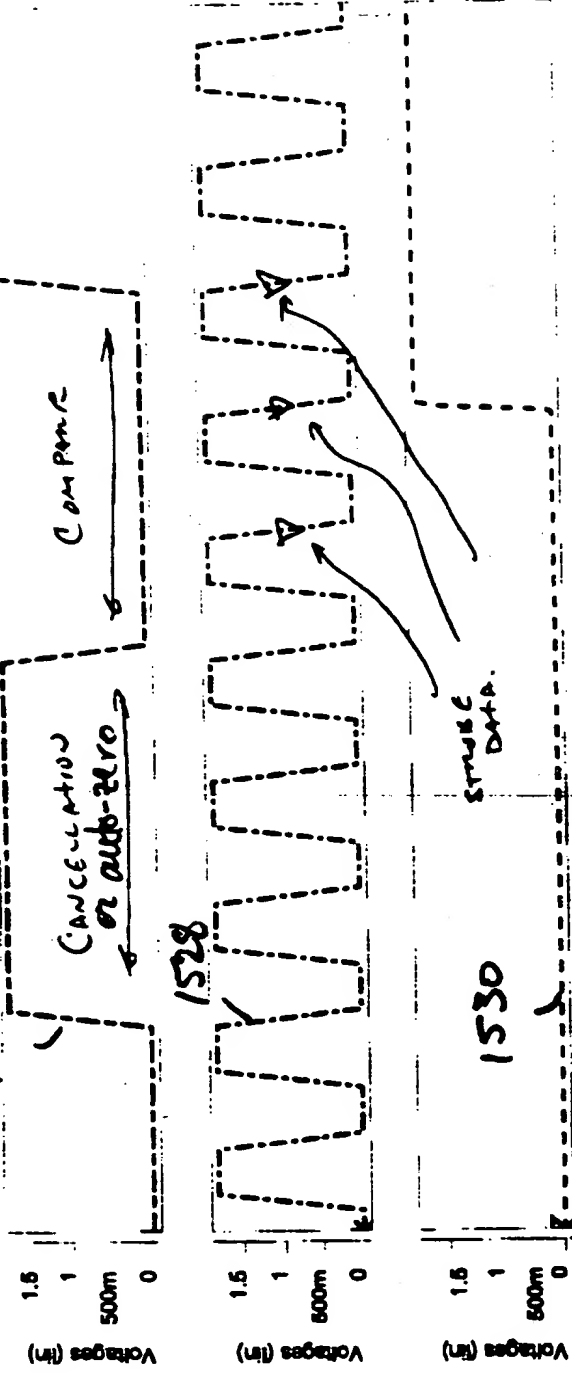
Coupling Caps

1510 1500



Wave	Symbol
DO:A0:V(ccout)	X
DO:A0:V(ds)	*
DO:A0:V(as)	

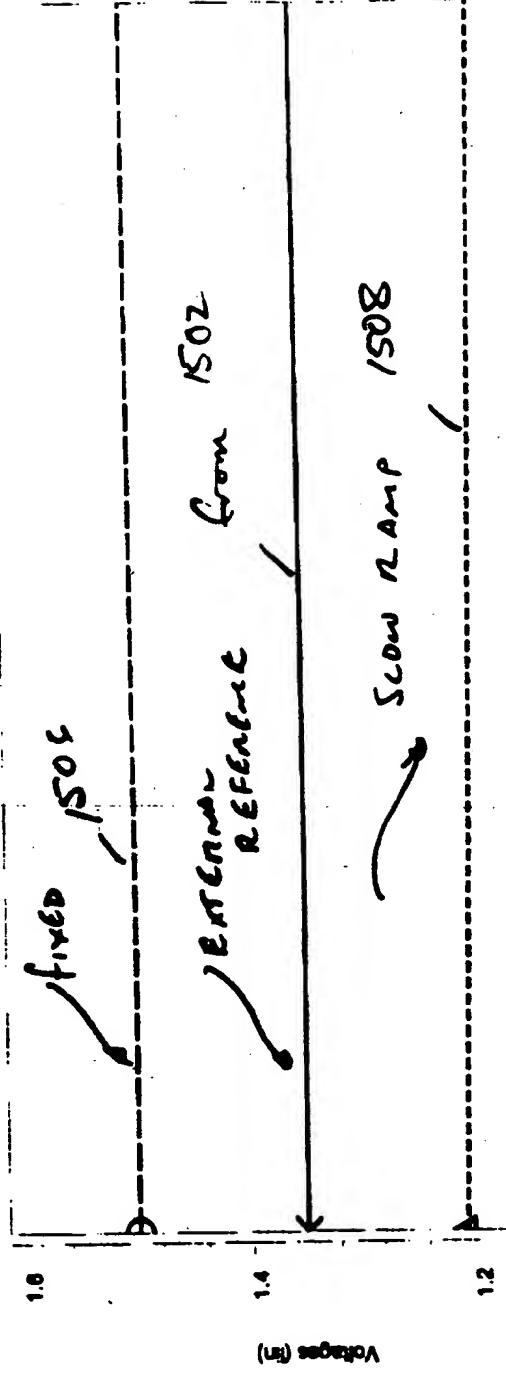
cc cal chk



2.832u 2.834u 2.836u 2.838u 2.840u 2.842u 2.844u 2.846u 2.848u 2.850u 2.852u 2.854u 2.856u 2.858u

cc cal chk

Wave	Symbol
DO:A0:V(vrefm)	X
DO:A0:V(vrh)	○
DO:A0:V(vrlo)	△



2.832u 2.834u 2.836u 2.838u 2.840u 2.842u 2.844u 2.846u 2.848u 2.850u 2.852u 2.854u 2.856u 2.858u

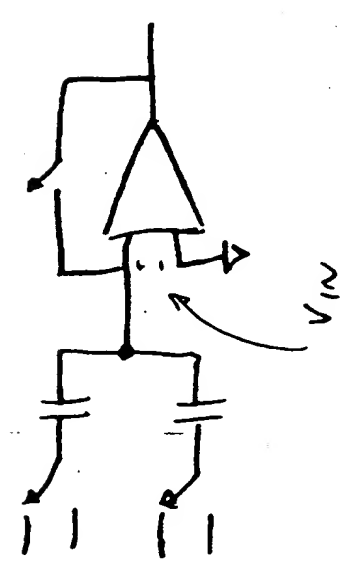
Time (lin) (TIME)

FIG. 13C

Alternate Experiments

of Differential Amplifier Comparisons

FIG. 13D



Differential IN
Single Ended
OUT

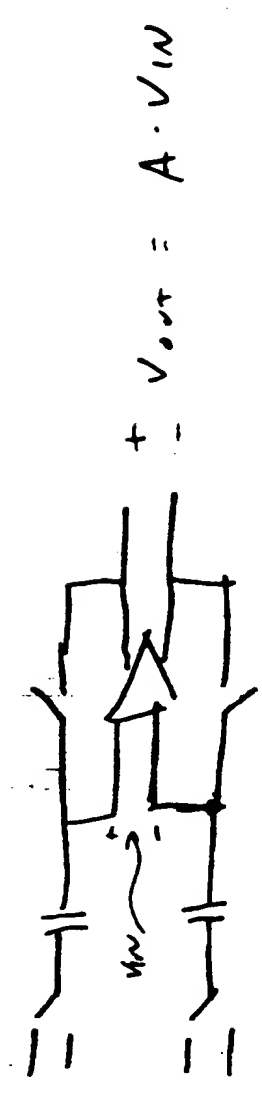
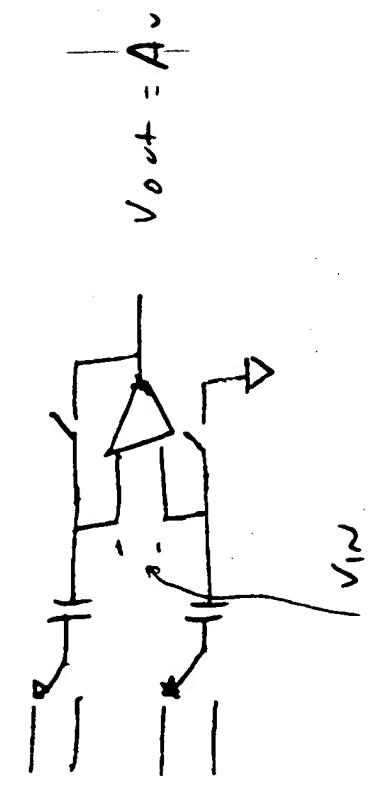
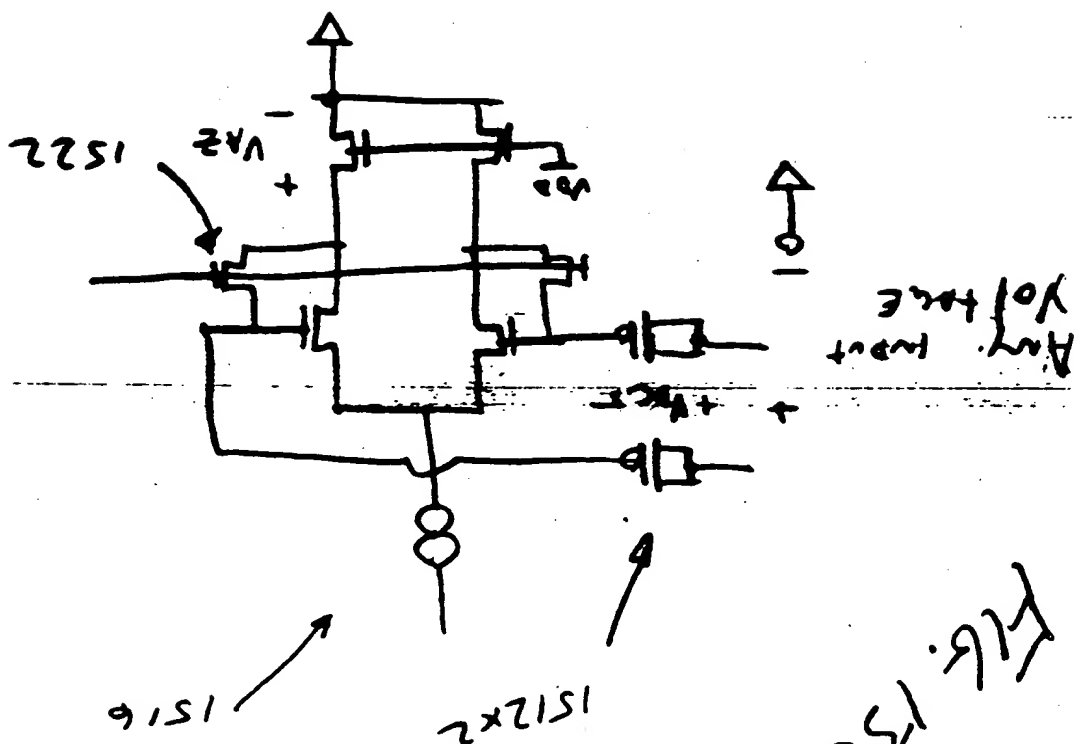
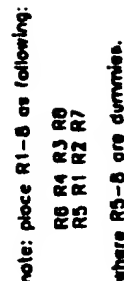


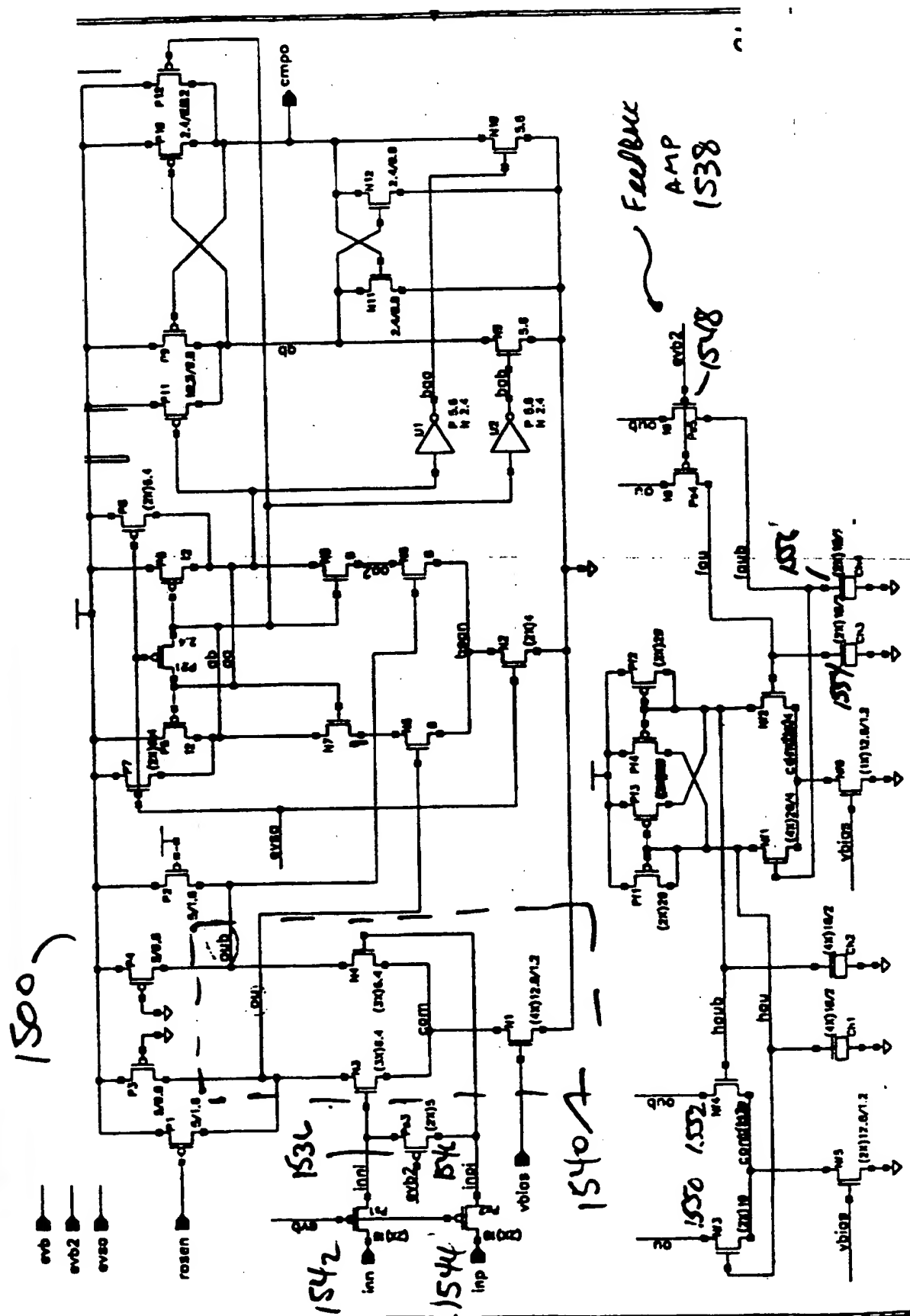
Fig. 13E





LA + chow
Stack

FIG 14B



Flb 14C

• CC cal chk

chk_osc_mis_oub.xp
evb

chk_osc_mis_oub.xp
evb2

chk_osc_mis_oub.xp
evb6

chk_osc_mis_oub.xp
vref_cmp
v_cmp

chk_osc_mis_oub.xp
ou
oub

TIME (S)

2.00
-0.50
2.00
-0.50
2.00
-0.50
1.80
1.70
1.60
1.60
1.50
1.40

13.98u 14.00u 14.02u 14.04u 14.06u 14.08u 14.10u 14.12u 14.14u 14.16u

Amplitude phase

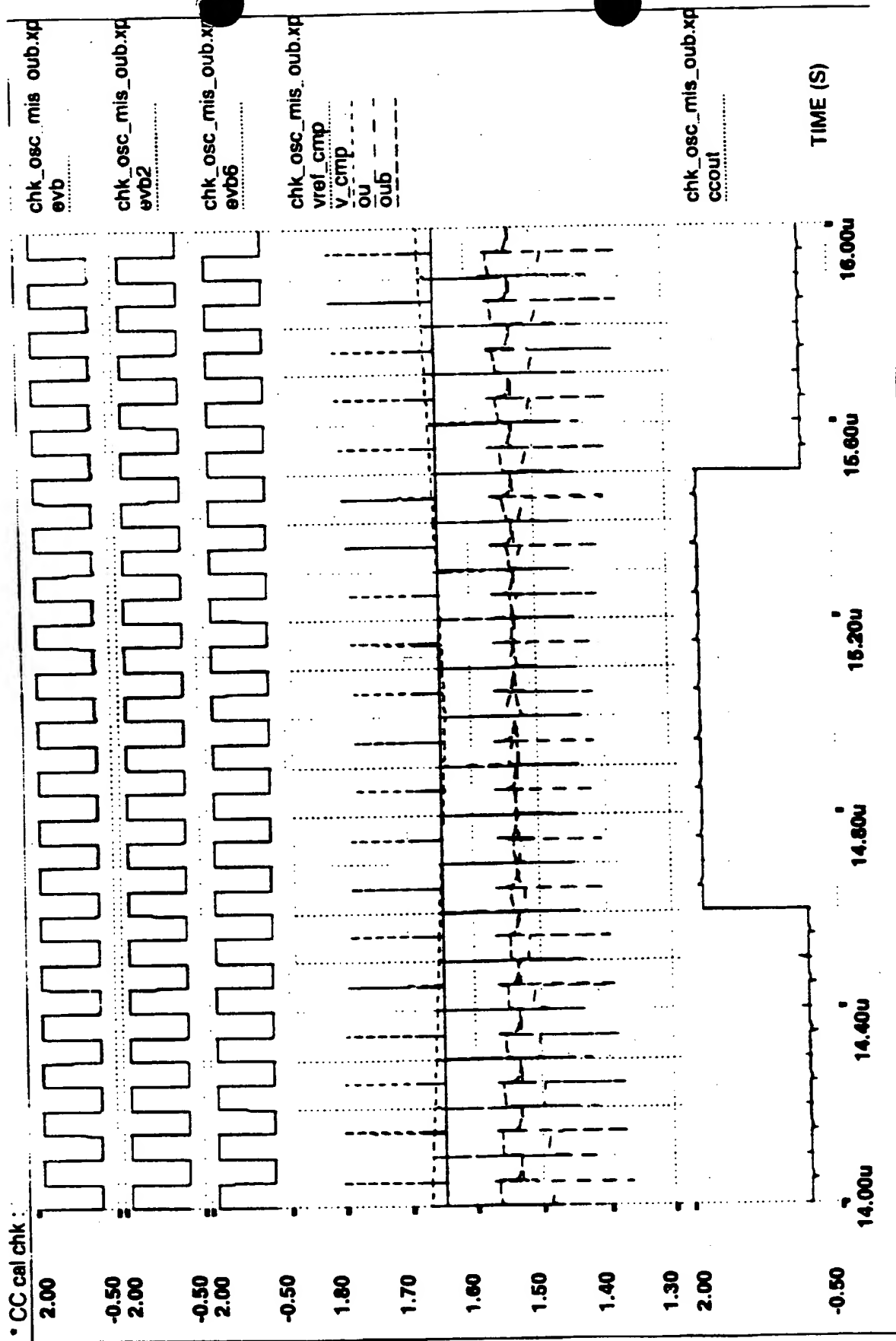
sample edge

The diagram shows several digital signals. The top signal, 'CC cal chk', is a square wave between 2.00 and -0.50. Below it are three more 'chk_osc_mis_oub.xp' signals (evb, evb2, evb6) with the same amplitude. Then are two more 'chk_osc_mis_oub.xp' signals (vref_cmp, v_cmp) with amplitudes around 1.80 and 1.70. The bottom two signals, 'ou' and 'oub', have amplitudes around 1.60 and 1.50. The signals show transitions at approximately 14.00u, 14.04u, 14.08u, and 14.12u. Handwritten notes 'Amplitude phase' and 'sample edge' point to specific features on the signals.

TIME (S)

918-142

w/ os cancel



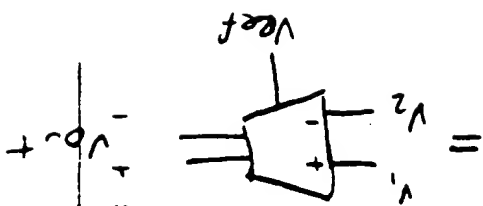
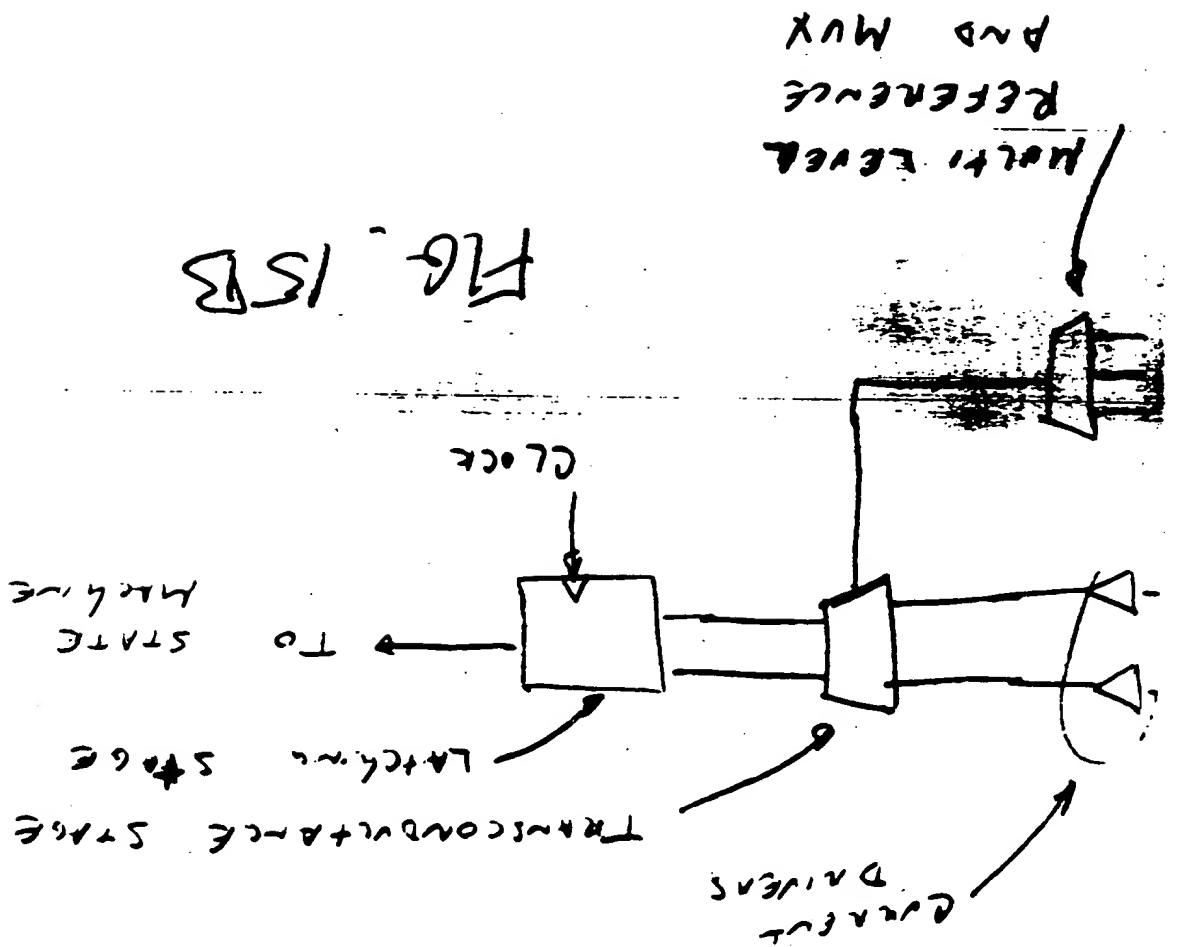
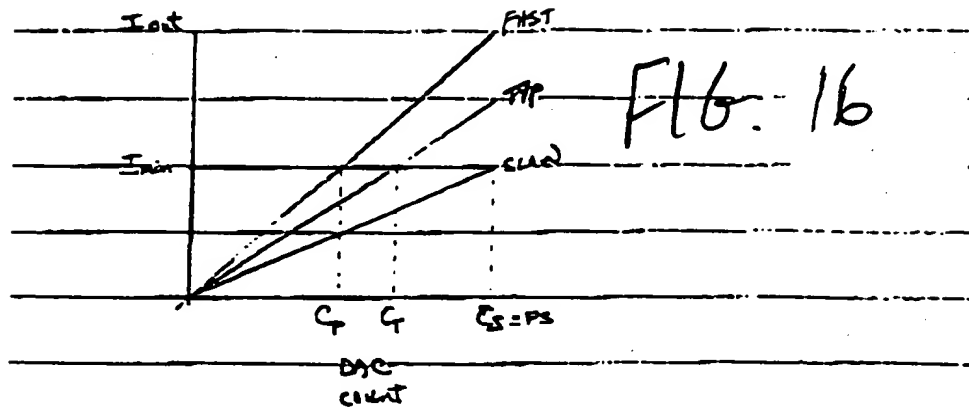
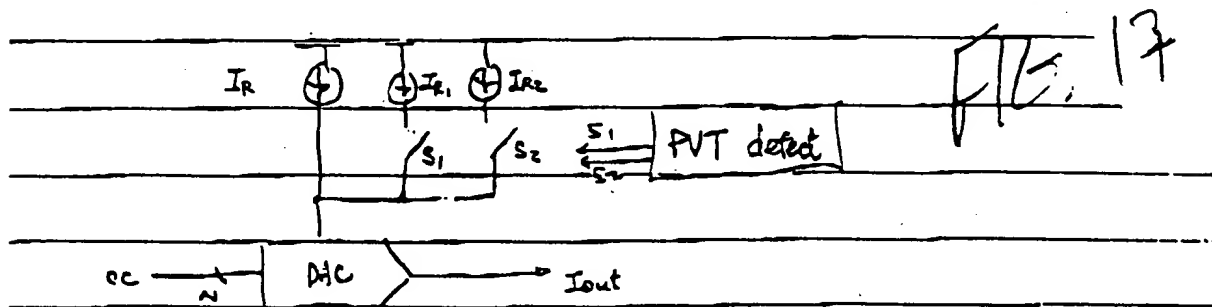


FIG. 15A





Output driver block diagram:



$\frac{d^2 \sigma}{dt^2} = \frac{d^2 \sigma}{dt^2}$



mpulse

FIG. 19A

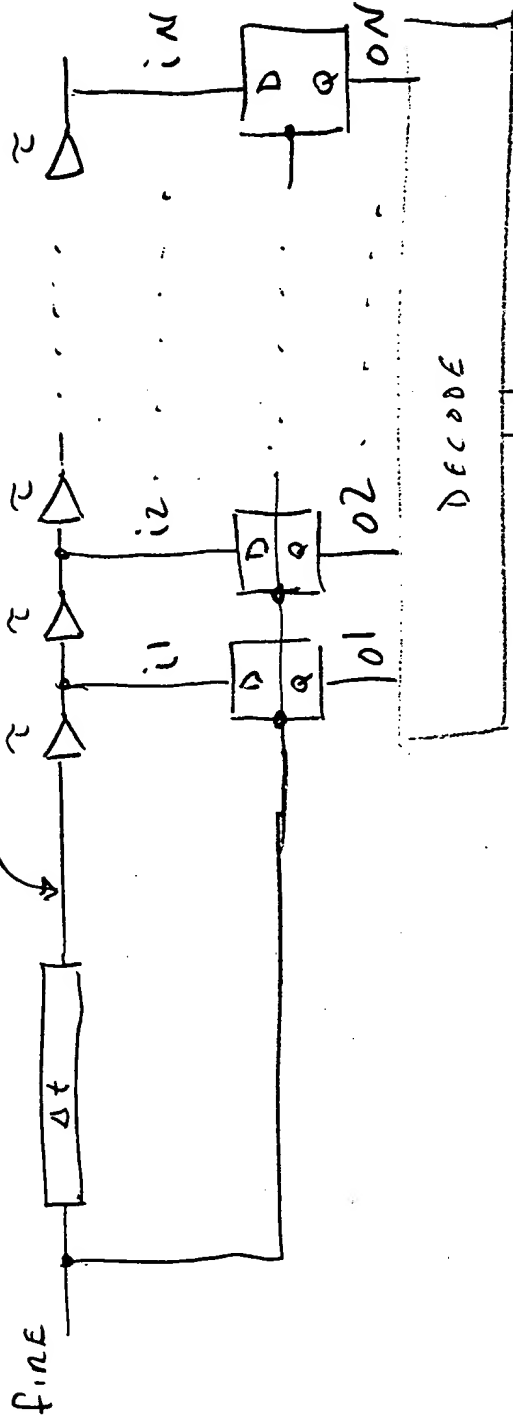
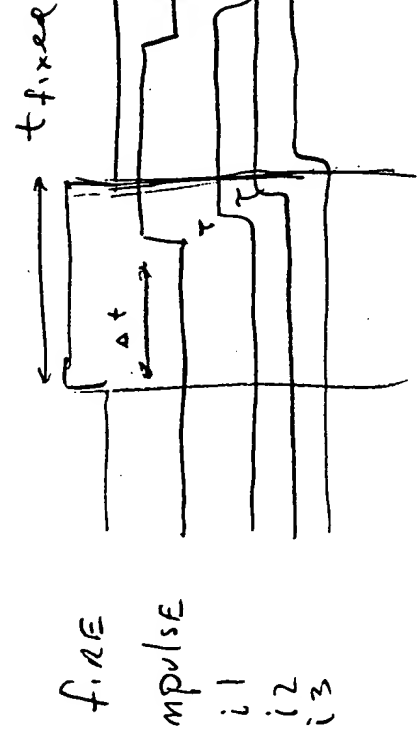


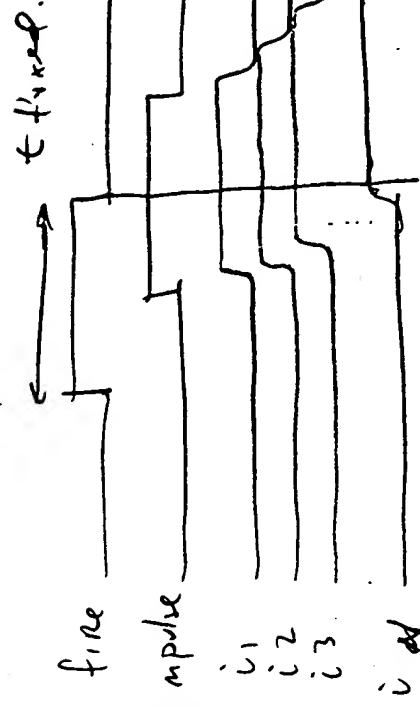
FIG. 19B

slow conditions

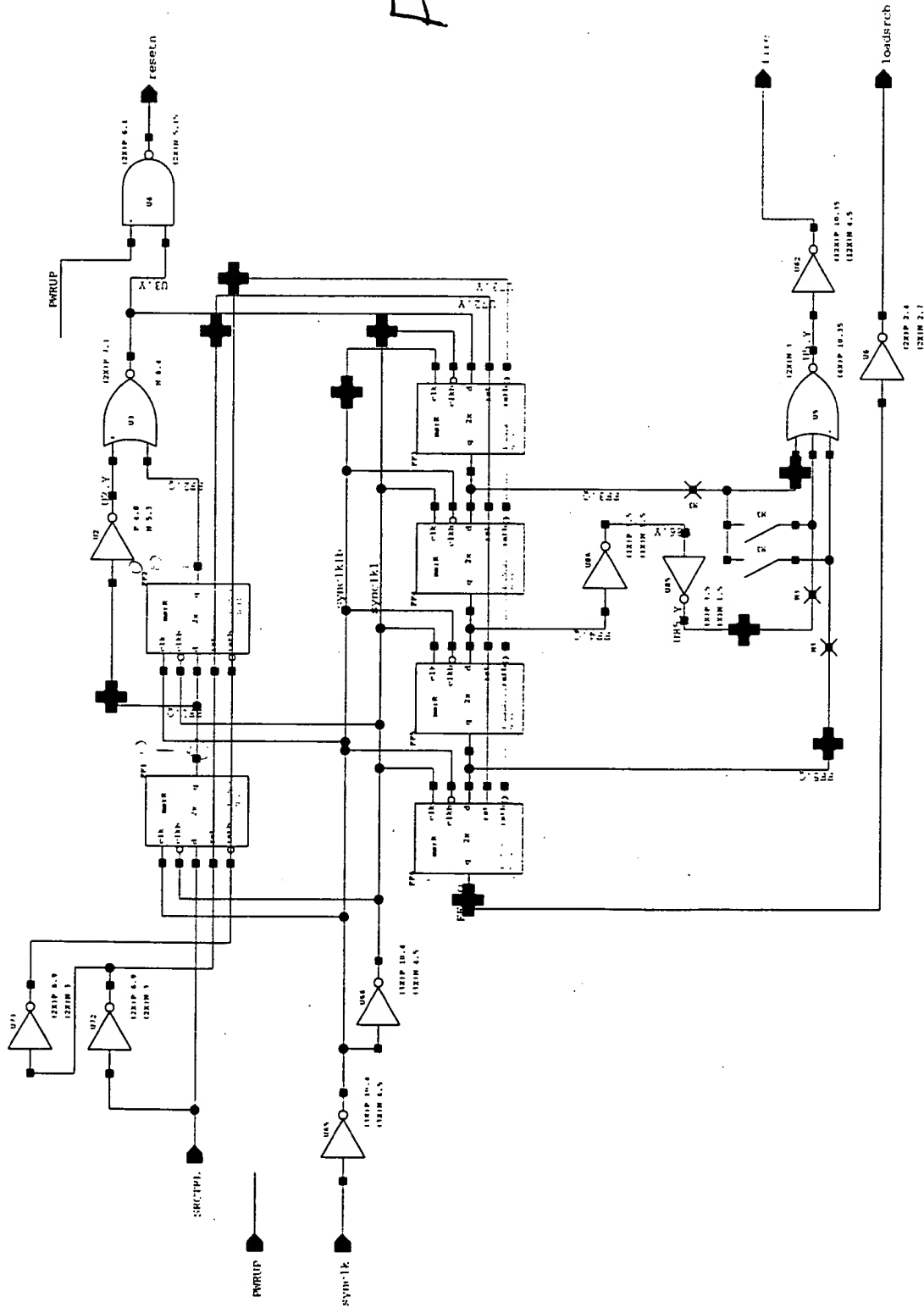


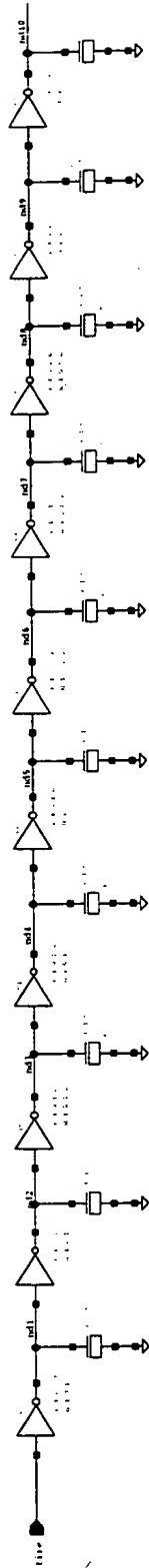
DECODED outputs conditions

fast



$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

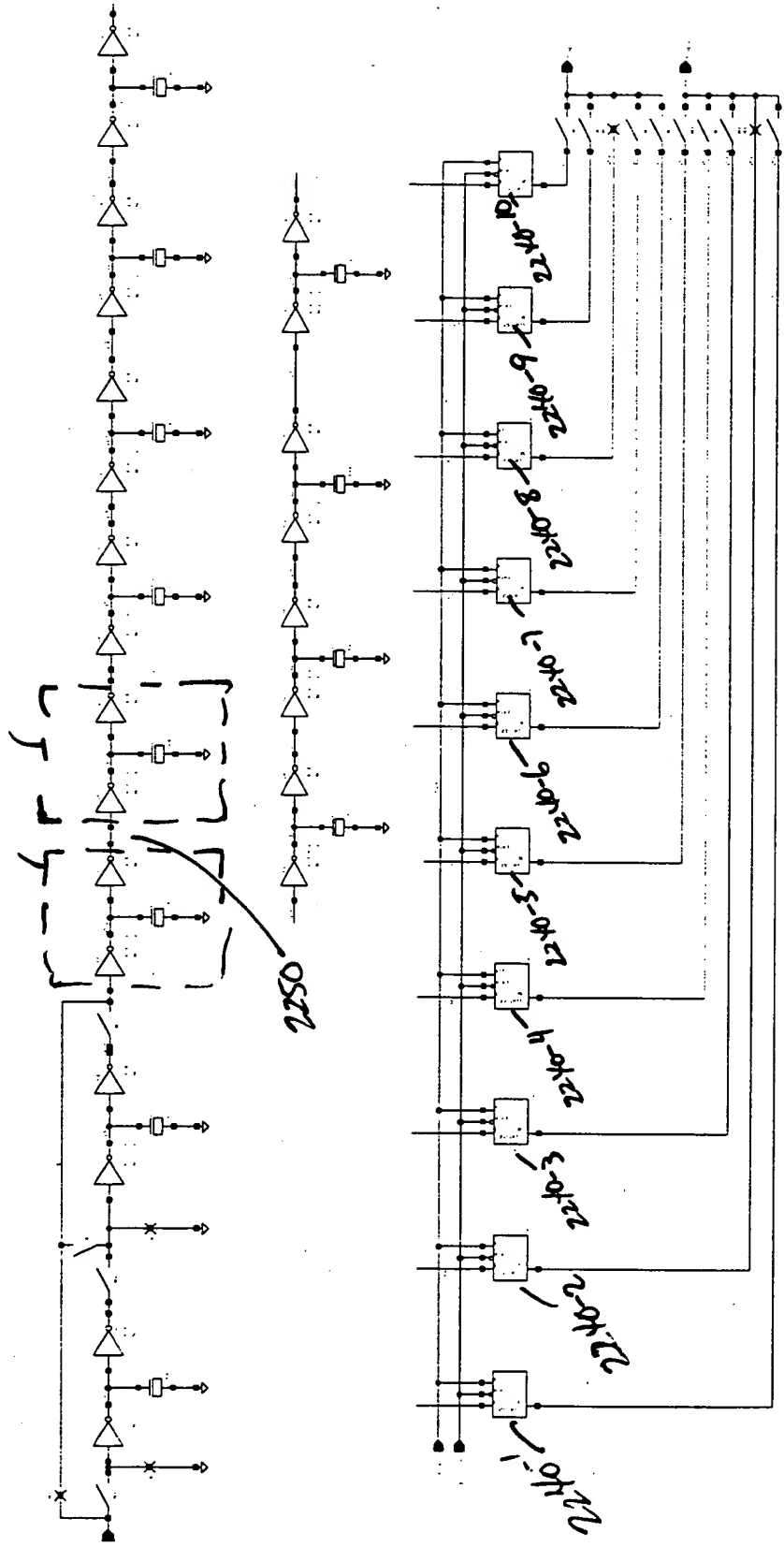


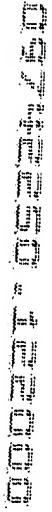


The diagram shows a multi-channel electronic device with 12 channels. Each channel consists of a switch, a variable resistor, a relay, and a lamp. The channels are labeled 1 through 12. The switches are connected to a common line, and the lamps are connected to a common line. The relays are connected to a common line. The variable resistors are connected to a common line. The switches are labeled 1 through 12. The lamps are labeled 1 through 12. The relays are labeled 1 through 12. The variable resistors are labeled 1 through 12.

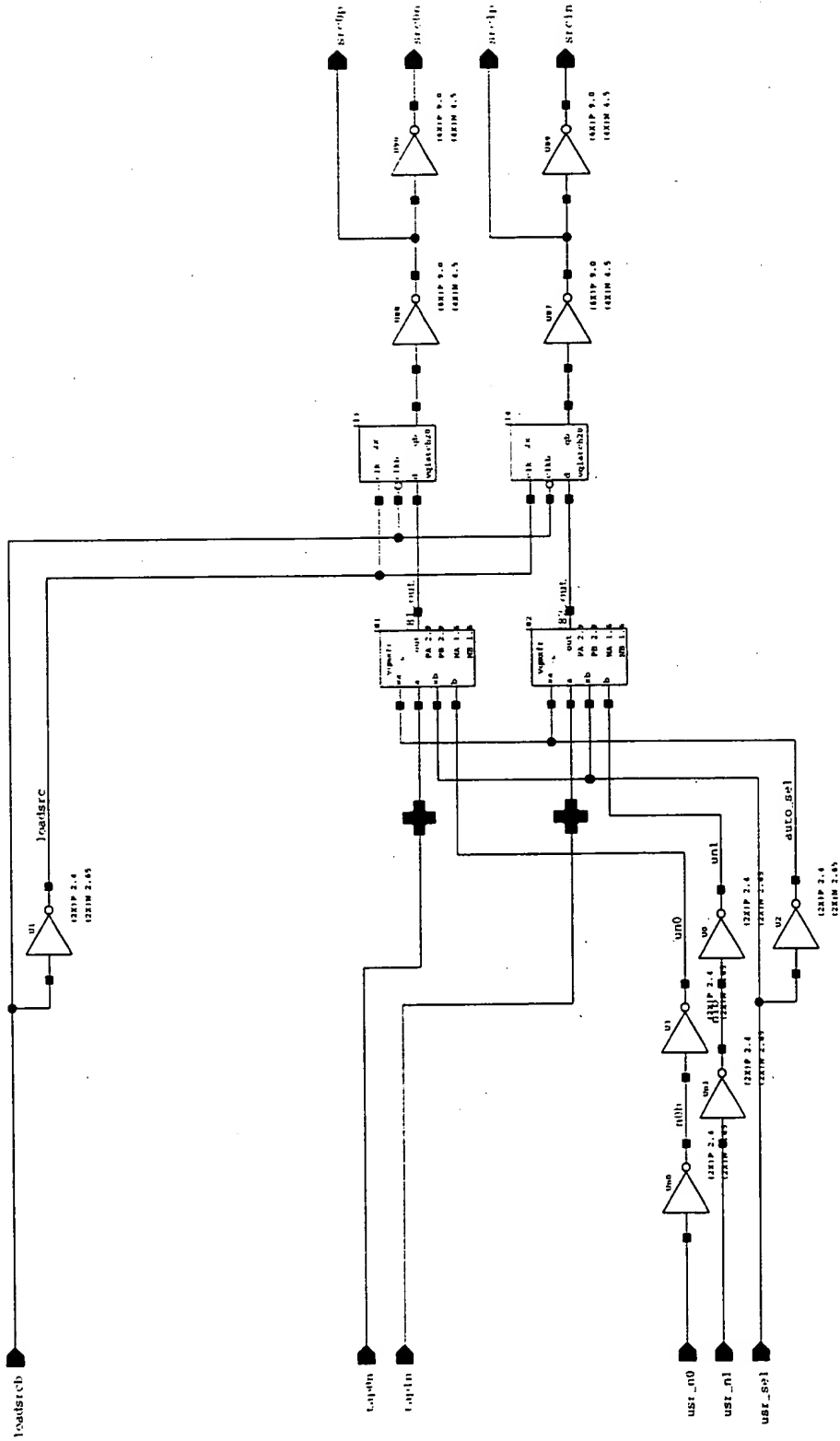
Fig. 20D

2230⁻¹ 2230⁻² ...





HC 20E



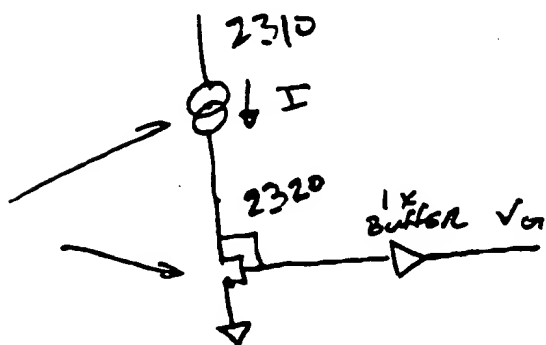
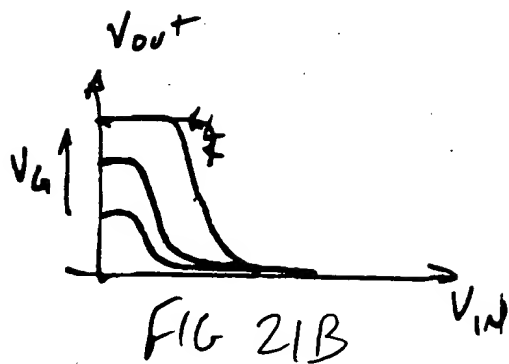
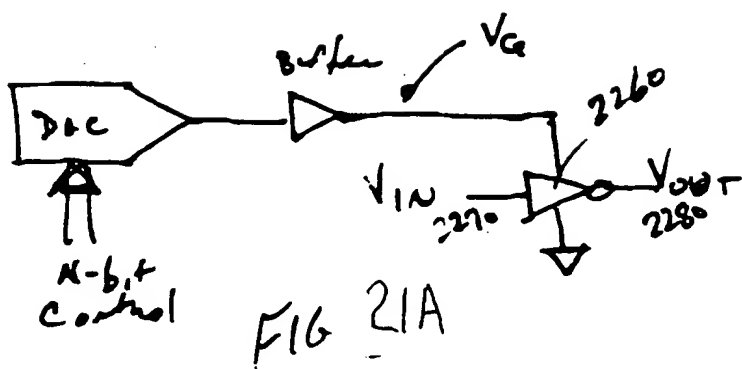


fig 22

ALTERNATE EMBODIMENT of Vgate DAC

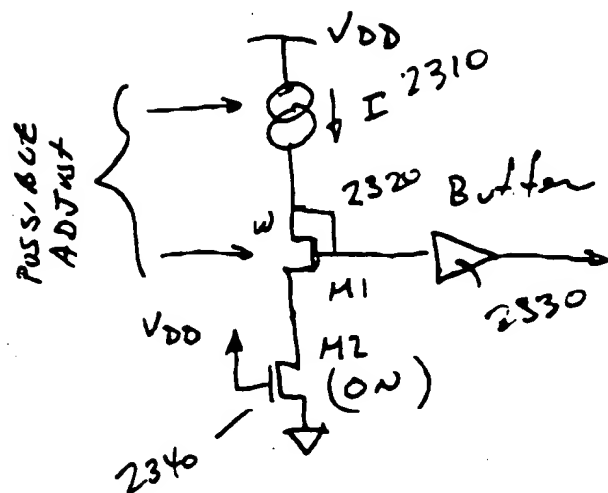


Fig. 23

M1, M2 scaled to match actual output driver.


```

- vref
+ vref_foxx

```

